



United States Steel Corporation  
Clairton Works  
400 State Street  
Clairton, PA 15025

42-003-00032

December 6, 2013

Ms. Gail Eddings  
Allegheny County Health Department  
Department of Air Quality  
301 Thirty-Ninth Street  
Pittsburgh, PA 15201

Subject: USS Reference Number: 13-0235  
ACHD Reference Number: 16581  
Sulfur Plant  
USS Clairton Works

Dear Gail Eddings,

The attached form confirms our verbal report of the subject incident and satisfies the requirements of paragraph IV.8 of the Title V operating permit #0052 as issued on March 27th 2012.

I certify that based on the information and belief formed after reasonable inquiry, the statements and information in this document are true, accurate, and complete. Any questions concerning this matter should be referred to James Hosfield at 412-233-1015.

Sincerely,

A handwritten signature in dark ink, appearing to read "T. E. Schumacher".

Thomas E. Schumacher  
Plant Manager  
Clairton Works

CC: James W. Hagedorn (USEPA)

NOTICE OF OUTAGE OF EQUIPMENT  
ARTICLE XXI - SECTION 2108.1

1. USS Reference Number: 13-0235  
ACHD Reference Number: 16581
2. Date & Time of Breakdown: Date: 12/05/13 Time: 0845 hours
3. Company Name: U.S. Steel Corporation - USS Clairton Works
4. Specific Equipment Involved or Affected: Sulfur Plant
5. BAPC Permit Number (if applicable):
6. Location: Clairton, PA
7. Nature and cause of breakdown: The C658 sulfur plant vacuum axi was unavailable for service to repair a cracked coupling. The C658 Axi is a redundant piece of equipment. The spare 101J Axi carried the full load. Sulfur Plant performance was not affected and emissions did not increase due to this work.
8. Identification of Emissions:
  - A. Type(s) (CO, NOX, SO<sub>2</sub>, Particulates, Hydrocarbons, etc.)  
The spare 101J Axi carried the full load. No environmental impact is expected.
  - B. Toxic qualities of each type (including its qualities as an irritant, and its potential for causing illness, disability, or mortality). N/A No environmental impact is expected.
  - C. Amount of each type emitted (or likely to be emitted).  
N/A
9. Measures taken (or to be taken) to minimize length of breakdown and amount of emissions, including shutdown or curtailment (or why it is impossible or impractical to do so).  
The spare 101J Axi carried the full gas flow to the plant.
10. Facility back in operation - Date: 12/05/13 Time: 1400 hours

Reviewed by   
James Hosfield  
Environmental Control Engineer

Date 2013-12-06  
Phone: 412-233-1468

42-003-00032

June 14



United States Steel Corporation  
Clairton Works  
400 State Street  
Clairton, PA 15025

December 5, 2016

Ms. Karen M. Sagel  
Allegheny County Health Department  
Department of Air Quality  
301 Thirty-Ninth Street  
Pittsburgh, PA 15201

Subject: USS Reference Number: 16-0393  
ACHD Reference Number: 20416  
SCOT Plant  
USS Clairton Works

RECEIVED

DEC 12 2016

AK 2016-12-12

Dear Karen M. Sagel:

The attached form confirms our verbal report of the subject incident and satisfies the requirements of paragraph IV.8 of the Title V operating permit #0052 as issued on March 27th 2012.

I certify that based on the information and belief formed after reasonable inquiry, the statements and information in this document are true, accurate, and complete. Any questions concerning this matter should be referred to Jonelle S. Scheetz at 412-233-1015.

Sincerely,

A handwritten signature in cursive script, appearing to read "Michael S. Rhoads".

Michael S. Rhoads  
Plant Manager  
Clairton Works

cc: James W. Hagedorn (USEPA)

NOTICE OF OUTAGE OF EQUIPMENT  
ARTICLE XXI - SECTION 2108.1

1. USS Reference Number: 16-0393  
ACHD Reference Number: 20416
2. Date & Time of Breakdown: Date: 11/29/16 Time: 1900 hours
3. Company Name: U.S. Steel Corporation - USS Clairton Works
4. Specific Equipment Involved or Affected: SCOT Plant
5. BAPC Permit Number (if applicable): 0052
6. Location: Clairton, PA
7. Nature and cause of breakdown: The SCOT Plant was taken out of service when the Methyl Di-Ethanol Amine (MDEA) solution became contaminated and reduced its ability to absorb H<sub>2</sub>S.
8. Identification of Emissions:
  - A. Type(s) (CO, NOX, SO<sub>2</sub>, Particulates, Hydrocarbons, etc.)  
Elevated H<sub>2</sub>S at the incinerator stack, causing increased SO<sub>2</sub> at point of combustion.
  - B. Toxic qualities of each type (including its qualities as an irritant, and its potential for causing illness, disability, or mortality). SO<sub>2</sub> is an eye, nose, and throat irritant.
  - C. Amount of each type emitted (or likely to be emitted).  
Light to Moderate
9. Measures taken (or to be taken) to minimize length of breakdown and amount of emissions, including shutdown or curtailment (or why it is impossible or impractical to do so).  
The repairs were completed and the SCOT Plant returned to service.
10. Facility back in operation - Date: 12/04/16 Time: 1400 hours

Reviewed by Joneille S. Scheetz  
Joneille S. Scheetz  
Environmental Control Engineer

Date 12/5/16  
Phone: 412-233-1015



42-003-00032

Jim H.



United States Steel Corporation  
Clairton Works  
400 State Street  
Clairton, PA 15025

November 28, 2016

Ms. Karen M. Sagel  
Allegheny County Health Department  
Department of Air Quality  
301 Thirty-Ninth Street  
Pittsburgh, PA 15201

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DEC 12 2016

Air - Pollution Division

Subject: USS Reference Number: 16-0386  
ACHD Reference Number: 20409  
#2 & #5 Control Rooms  
USS Clairton Works

Dear Karen M. Sagel:

The attached form confirms our verbal report of the subject incident and satisfies the requirements of paragraph IV.8 of the Title V operating permit #0052 as issued on March 27th 2012.

I certify that based on the information and belief formed after reasonable inquiry, the statements and information in this document are true, accurate, and complete. Any questions concerning this matter should be referred to Jonelle S. Scheetz at 412-233-1015.

Sincerely,

A handwritten signature in cursive script, appearing to read "Michael S. Rhoads".

Michael S. Rhoads  
Plant Manager  
Clairton Works

CC: James W. Hagedorn (USEPA)

**NOTICE OF OUTAGE OF EQUIPMENT**  
**ARTICLE XXI - SECTION 2108.1**

1. **USS Reference Number:** 16-0386  
**ACHD Reference Number:** 20409
2. **Date & Time of Breakdown:** Date: 11/23/16 Time: 1115 hours
3. **Company Name:** U.S. Steel Corporation - USS Clairton Works
4. **Specific Equipment Involved or Affected:** #2 & #5 Control Rooms
5. **BAPC Permit Number (if applicable):** 0052
6. **Location:** Clairton, PA
7. **Nature and cause of breakdown:** Repairs to Cooling Tower water return line that supplies the cooling water for the #2 Control Room necessitated the shut down of the #2 & #5 Control Rooms and coke oven gas was by-passed to the downriver system. The 40 grain H<sub>2</sub>S limit was exceeded.
8. **Identification of Emissions:**
  - A. **Type(s) (CO, NOX, SO<sub>2</sub>, Particulates, Hydrocarbons, etc.)**  
Elevated H<sub>2</sub>S in the downriver gas line systems, causing increased SO<sub>2</sub> and VOC at point of combustion.
  - B. **Toxic qualities of each type (including its qualities as an irritant, and its potential for causing illness, disability, or mortality).** SO<sub>2</sub> is and VOC could be an eye, nose, and throat irritant.
  - C. **Amount of each type emitted (or likely to be emitted).**  
Light to Moderate
9. **Measures taken (or to be taken) to minimize length of breakdown and amount of emissions, including shutdown or curtailment (or why it is impossible or impractical to do so).**  
The problem was resolved and normal operations resumed.
10. **Facility back in operation -** Date: 11/27/16 Time: 1940 hours

Reviewed by Jonelle S. Scheetz  
Jonelle S. Scheetz  
Environmental Control Engineer

Date 11/30/16  
Phone: 412-233-1015

42-003-00032



United States Steel Corporation  
Clairton Works  
400 State Street  
Clairton, PA 15025

Jim Hagedorn

**RECEIVED**

DEC 06 2016

**Air Protection Division**

November 23, 2016

Ms. Karen M. Sagel  
Allegheny County Health Department  
Department of Air Quality  
301 Thirty-Ninth Street  
Pittsburgh, PA 15201

Subject: USS Reference Number: 16-0385  
ACHD Reference Number: 20408  
600 Claus Plant  
USS Clairton Works

Dear Karen M. Sagel:

The attached form confirms our verbal report of the subject incident and satisfies the requirements of paragraph IV.8 of the Title V operating permit #0052 as issued on March 27th 2012.

I certify that based on the information and belief formed after reasonable inquiry, the statements and information in this document are true, accurate, and complete. Any questions concerning this matter should be referred to Jonelle S. Scheetz at 412-233-1015.

Sincerely,

Michael S. Rhoads  
Plant Manager  
Clairton Works

CC: James W. Hagedorn (USEPA)

NOTICE OF OUTAGE OF EQUIPMENT  
ARTICLE XXI - SECTION 2108.1

1. USS Reference Number: 16-0385  
ACHD Reference Number: 20408
2. Date & Time of Breakdown: Date: 11/23/16 Time: 0830 hours
3. Company Name: U.S. Steel Corporation - USS Clairton Works
4. Specific Equipment Involved or Affected: 600 Claus Plant
5. BAPC Permit Number (if applicable): 0052
6. Location: Clairton, PA

Nature and cause of breakdown: The combustion air blower at the 600 Claus Plant tripped off line. As a result, the 40 grain H2S limit at the Sulfur Plant was exceeded.

8. Identification of Emissions:

- A. Type(s) (CO, NOX, SO<sub>2</sub>, Particulates, Hydrocarbons, etc.)  
Elevated H2S in the down river gas line system, causing increased SO2 at points of combustion.
- B. Toxic qualities of each type (including its qualities as an irritant, and its potential for causing illness, disability, or mortality). SO2 is an eye, nose, and throat irritant.
- C. Amount of each type emitted (or likely to be emitted).  
Light.

9. Measures taken (or to be taken) to minimize length of breakdown and amount of emissions, including shutdown or curtailment (or why it is impossible or impractical to do so).  
The problem was resolved.

10. Facility back in operation - Date: 11/23/16 Time: 0915 hours

Reviewed by Jonelle S. Scheetz  
Jonelle S. Scheetz  
Environmental Control Engineer

Date 11/23/16  
Phone: 412-233-1015